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ORANGE COUNTY AMATEUR RADIO CLUB

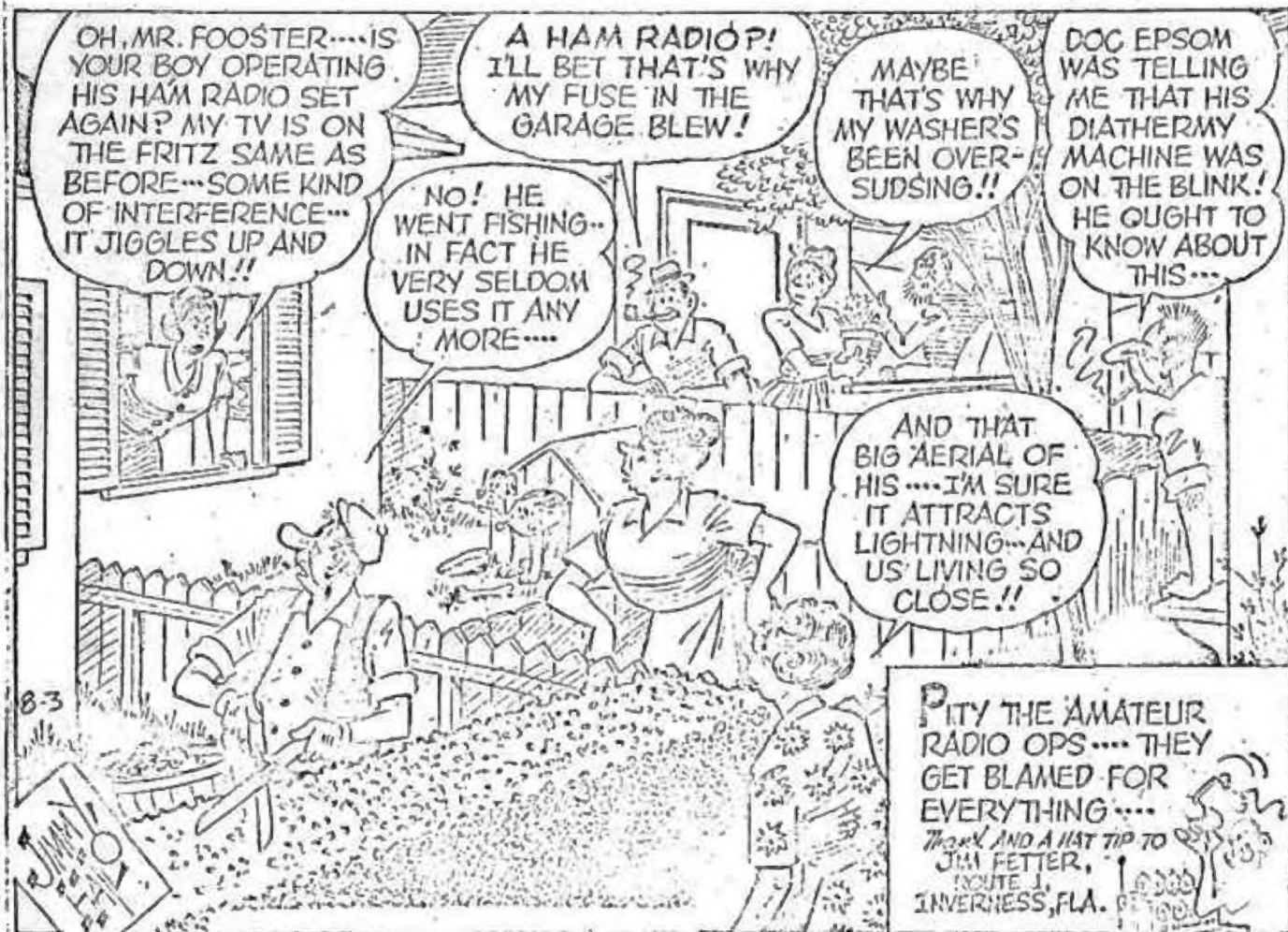
P.O. BOX 95, ORANGE, CALIF. 92668

VOL XIV NO.2

FEBRUARY 1973

CHICAGO'S AMERICAN, MONDAY, AUGUST 3, 1964

THEY'LL DO IT EVERY TIME :-:-:- by Hatlo



1973 CLUB OFFICERS

PRESIDENT	BOB ECKWEILER	WB6QNU	639-5074
V. PRES.	KEN KONECKY	W6HHC	541-6249
SECRETARY	JACK BRIGGS	WB6YMV	544-3665
TREASURER	TED GLICK	K6LJA	542-1390
ACTIVITY	ERNIE FUERTE	WA6GXV	839-7107
TVI	DAVE HOLLANDER	W6COJ	541-9133
MEMBERSHIP	BILL ROBINSON	WB6WOO	542-7958
PUBLIC REL.	JACK SHAW	W6YWN	633-8742
EDITOR	DON KLOS	W6OOH	832-9682
M. A. L.	RON CADE	WA6FIT	897-8059
	KEI YAMACHIKA	W6NGO	538-8942

OCARC ACTIVITIES

MEETING 3rd Friday of each month, 7:30 PM at
Mercury Savings and Loan
1095 Irvine Blvd (4th Avenue
Tustin CA

GUESTS ALWAYS WELCOME

BREAKFAST 1st Saturday each month, 8:30 AM at Mannys
Restaurant, 17th street at the Newport Freeway,
Santa Ana. Meets in back of room.

15 M NET Club station W6ZE meets every Thursday at
8:00 PM on 21.375 (+QRM). All amateurs are
are welcome to check in. Club and ARRL
bulletins read.

EDITORS REQUEST

As I assume the responsibility for putting together this club bulletin
each month, your support will help assure its survival (see the
article by 'QNU). All material which you feel might be of interest
to the membership should be sent to:

Don Klos, W6OOH
13562 Loretta Dr.
Tustin, CA 92680

It is requested that all material be mailed no later than the 1st of
each month to assure inclusion in that months issue.

W6OOH

Are you looking for a unique piece of equipment to buy; or do you
have equipment that you want to sell? Try RF want-ads. We can't
promise fast results but do have very low rates....'FREE'
Let us know what you have and we'll see that the whole club has
the information.

THE PREZ SEZ:

The yearly treasurers audit was held after the January meeting by auditors Bob Evans and Martin Raymond. Everything was found to be in excellent order. I'd like to thank Frank WB6TBU for the excellent job he did and the exceptionally clear records he kept.

RF appears to have a new editor. Don Klos W6OOH volunteered to take a try at putting the paper together with the help of Ken W6HHC and the rest of us. Thank you Dan!

The February breakfast was a success with members W6NGO, W6HHC, K6LJA, WA6LHB, WB6PEX, WA6BPX, WA6GXV, WB6PEW, their guests and myself. Let's increase the participation even further next month. After the breakfast many of the guys went to the Foothill High School A.R.C. hamfest. Their shack is quite impressive, as were some of the bargains, and a good time was had by all.

I'm writing no editorial this month, instead just read the next article, then... TRY IT YOU'LL LIKE IT.

WRITE AN ARTICLE FOR RF

The survival of RF (and its editor) depends on it receiving articles from the membership - you! The purpose of this article is to start you on your way down the path to becoming another W2NSD, W6SAI, or even another Larsen E. Rapp. Yes, it's an article on how to write an article!

Writing for RF, or other publications, is not difficult but requires thought, time, and effort. The reward for such work is seeing your ideas in print, and seeing how your friends react to them. So let's write an article for RF. Here's how to go about it:

1. Decide on a subject that you want to communicate to other club members. Perhaps the subject you choose is an experience you had, or one of technical information, or building or modifying a piece of equipment or antenna, or a humorous story. If you have found a way to get 1KW output from a pair of 2N107's on 432 MHz let us know. About the only limit on the subject is that it be 'printable' and of interest to the readers.
2. Make an outline of the subject covering the points you wish to discuss in their proper order. Think the article over in your mind and add ideas and comments to the outline as you think of them. Using an outline is a good way to keep your thoughts organized, and complete when actually writing the article.

AN ARTICLE ON WRITING AN ARTICLE... cont.

3. Next you should edit the outline. Figure the approximate length of the article from the outline. An article for RF should be anywhere up to two pages, and never over three. If the article is to be a long one submit it in two or more parts. Finding convenient 'break' points and removing unnecessary items to shorten the length can usually be accomplished with a glance at the outline.

4. Finally it's time to write your first draft. Follow the outline you've prepared closely and the task will seem easy. Take each sentence from the outline, in order, and expand on it. If you get bogged down finding the right word for something chose a close approximation and when you read back over the text a better word will often come to mind.

During the writing of the first draft keep a dictionary handy to check words you're not sure of. If you try to put it off till later spelling errors will creep into the final draft. The first draft should be written in pencil on lined paper skipping every other line. Corrections and additions can then be easily made while proof reading the first draft.

5. Read your draft over carefully correcting errors. During the proof reading see how many superfluous words (the, and, etc.) you can remove without injuring the text. Note unclear areas of the text and see what must be done to improve them. Sometimes a paragraph must be rewritten for clarity.

6. When the draft reads the way you'd like it to you are ready for the final draft. This can be typed or hand-written. If you decide to type it follow these suggestions:

- a. Use 8½ x 11 plain typing paper.
- b. Leave 1" margins on both sides and bottom of page.
- c. Leave a 1½ margin at the top.
- d. Use erasable bond paper, 'White-out' or Ko-rec-type for correcting typographical errors.

For your first few articles it may be better to send in hand-written copies. These allow the editor to correct errors and type them himself to fit in available space as he puts the paper together.

cont...

AN ARTICLE ON WRITING AN ARTICLE cont.... cont.

After writing your article, if you feel some improvements are still necessary don't worry. The editors jobs are to check over the articles and correct and abridge them as required. Your job is to get the article into a form he can use and submit it to him.

Let me stress the important part of an article for RF should be an interesting subject that is written in an organized manner. If it has been a long time since English class for you, don't worry about some misspelled words or improper punctuation, grammer etc. These are easily corrected when the paper is put together if the article is written following the suggestions given. After the first attempt each new article will become simpler to write and more fun.

Ah... If you can't read or write don't despair. If you can draw well RF need cartoons every now and again too!!!

Bob 'QNU

NOVEMBER '72 MEETING MINUTES:

The Nov '72 meeting was called to order by President Ron Cade, WA6FIT at 7:55 P.M. Officers absent were: Rich Nelson, WA6OBM, Sec; and Bill Robinson WB6WOO, TVI.

No program was presented due to the elections for the new years officers. The election results are printed elsewhere in this RF.

The treasurers report showed a total balance of \$657.48 at the end of October.

It was mentioned that the OCARC posters around town still have the old meeting address on them. Bill Hall WA6CQR said he'd look into making up some new ones. The distribution of the new posters was discussed. They should be displayed at local schools as well as electronic stores.

A motion was brought up, and passed to move the savings funds of the club from the Lincoln Savings & Loan to our new host bank, after the end of the year.

The meeting was ajourned at 9:17.

Submitted by

Bob WB6QNU on behalf of WA6OBM

JANUARY MEETING MINUTES:

The January meeting of the OCARC was called to order by President Bob Eckweiler, WB6QNU at 7:50 P.M.

Officers absent were: Jack Briggs WB6YMV, Sec; Ted Glick K6LJA, Tres; and Dave Hollander W6COJ, TVI. Frank O'Leary WB6TBU acted as temporary treasurer to collect dues.

Ken, W6HHC introduced the guest speaker who was no other than our President. Bob gave a program on computers with emphasis on those soon to be found on the surplus market and just what a ham could use them for.

Break: was called for coffee and dohnuts.

The president of Foothill H.S. A.R.C. anounced their upcoming hamfest on Feb. 3. Changing of the OCARC posters were discussed and Bob, WB6QNU said he would get ahold of Bill Hall to see how progress was coming.

Kei, W6NGO is looking into the Xeroxing of RF.

Ken, W6HHC made a motion to purchase a Foreign and U.S. Callbook with updating service for use by all members. The books would be brought to meetings for members use and would be available, at certain times each week, by telephone or the 15 meters net. Frank, W6TBU seconded the motion and it passed unanimously.

The yearly Treasurers audit was brought up and Bob Evans and Martin Raymond volunteered to go over the books.

Ernie, WA6GXV conducted the raffle and the meeting was ajourned.

Submitted by

Bob, WB6QNU on behalf of WB6YMV

Congratulations to Ron WA6FIT the new Sec., Tres. of the Orange County Council of Amateur Radio Organizations. Jim Davis, W6DTR of the Fullerton club is the new Chairman.

We are sorry to hear of the death of fellow 'ham' W6LQX of Santa Ana, Calif. John Schick died of a heart attack on Feb. 1st.

OCARC BOARD MEETING MINUTES 16 January 1973

The Board met at Pres. Bob Eckweiler's residence--
present were:

Pres. Bob Eckweiler WB6QNU
V.Pres. Ken Konechy W6HHC
Secty. Jack Briggs WB6Ymv
Treas. Ted Glick K6LJA
Pub.Rel. Jack Shaw W6YWN
MAL. Ron Cade WA6FIT

The meeting was called to order by Pres. Bob Eckweiler at
8:30 PM; items of discussion and their disposition were:

1. Board meetings--Planned for 2d Tuesday when scheduled.
2. RF Publication--Editor Sam Goda resigned; we need a
new Editor. Who in the membership can and will be Editor?

--Publication plans were discussed; Ted
and Ron will followup and select the best one.

--Bob will write an article on how to
write an article to encourage RF contributors.

3. Transceiver raffle-- The raffle was considered successful
in stirring club interest; it was concluded that another
raffle for a prize or gift certificate should be started.
4. Club net--Should we start one on two meters too??
5. Field day--Competition plaque was not awarded '71.

--The generator set which we have been using
is no longer available. We are looking for alternative
alternators.

6. Club meetings--Speaker for February will be from FCC.

--Gavel snatch is a plot generated by the
Orange County Association of Radio Clubs. If ten members
of one club show up at the meeting of another club, the
intruding club can confiscate the host club gavel.
Recovery of the gavel is accomplished by a similar ten
member invasion of the intruder's club meeting.

7. K6SYU Repeater-- The Anaheim Amateur Radio Association
invites use of the K6SYU Repeater and expresses thanks
to Amateurs who have helped sponser, construct, and
properly use the repeater. Frequencies are:

INPUT 146.19 MHz OUTPUT 146.79 MHz Access-open.

ar Jack, WB6YMV Secty.

GUY CABLE 7 MHz INVERTED V ANTENNA

by WA6JRA

After guying my free-standing Tristao CZ-454 tower at three sections and four corners, it was felt that those top guy cables can be advantageously used for a 7 MHz inverted V antenna. The original antenna system is designed to withstand a maximum wind velocity of 100 mph with 144 MHz 8/8 El on a 14' boom at the top, 50 MHz 9 El on a 37' boom, and 28 MHz 7 El on a 40' boom at the bottom 56' level. The 7 MHz antenna must not reduce the structural strength of the guyed free-standing tower, and it must perform as well as a conventional inverted V antenna.

The 1/8" galvanized cable from Henry Radio will withstand 2000 lb pull. The pull per cable is reduced by guying the tower in four directions with 2-3/4"OD x 0.276"WT x 10'L (4' in concrete) steel guy posts. Four good quality 1 1/2"sq. x 2 1/2" brown egg insulators are used with 1/8" cable clips from Clark Dye Hardware (be careful of many poor quality cable clips). Apex insulators are placed 2 1/2" away from the tower top by a short piece of 1/8" cable and two cable clips on each side. These insulators will normally assume a sloping position, and the top cables should be so arranged that the wires to the feed line cannot possibly short to the tower. An Unadilla W2AU 1:1 balun is mounted to the top plate using stainless steel 10-32 x 2 1/2" hardware. From each side of the balun, a No. 14 enamel wire connects to the first cable slip with a large soldering lug and a stainless steel washer, after feeding through the egg insulator.

Using a frequency of 7.040 MHz and $L = 234/F$, each cable leg is cut at 33'2-3/8" plus 12" for cable clips and adjustments. This is done by tying a steel measuring tape from the balun eye bolt and about the apex insulator to the end insulator. Use a metal block (do not cut against the tower) with a sharp chisel to cut the cable.

At my QTH, the N-S cables are used for the inverted V with an apex angle of 60 degrees. A Belden RG-58A/U coaxial cable is used for convenience, 7 MHz, and 100 watt output level.

Within the interested CW segment from 7.025 - 7.100 MHz, the reflected power equalled zero with 100 watt forward power. At other frequencies, the VSWR = 1.34 at 7.00, 1.27 at 7.02, 1.22 at 7.150, 1.50 at 7.20, 1.95 at 7.25, and 2.3 at 7.30 MHz. At band edges of 21.00 and 21.45 MHz, the VSWR = 1.58; and the minimum VSWR = 1.43 at 21.120 - 21.140 MHz. In most all US and DX 7 MHz contacts, my RST was 1-2 S unit above those received with my new 75S3B. The effectiveness of this inverted V antenna was demonstrated in first or second call in DX pile-ups to KG6, KX6, JA, VK, and ZL using a 32S3 at 100 watts output.

This antenna can be used for 21 MHz CW, but it is no match against beams. Later, a sloping inverted V for 3.5 or 3.8 MHz is planned by connecting a No. 14 wire to the cable clip at the apex insulator. The 7 MHz inverted V antenna using guy cable as the conductor has been considered from mechanical, electrical, and operational views. It demonstrates what can be done simply at 7 MHz with an existent VHF antenna system and with the Santa Ana winds in mind.

The following data is requested by your club officers. This information can help in the planning of club activities which are of mutual interest to the greatest numbers of members and for an 'article' about you and your activities which will appear in a future issue of 'RF'.

PLEASE FILL OUT THIS PAGE AND BRING IT TO THE CLUB MEETING OR PUT IT IN THE MAIL TO YOUR EDITOR--- DON-W6OOH

Name _____ Call _____

Previous call(s) _____ Home Phone _____

Year first licensed _____ ARRL: Yes _____ No _____

Awards _____

Rig(s) _____

Antennas _____

Other club affiliations _____

Vocation _____

Activities: List the number of your favorite activity which corresponds to the band and mode. (If more than one activity on a band, so list).

- | | |
|---------------|--------------------------|
| 1. Ragchewing | 5. DX |
| 2. Traffic | 6. County Hunting |
| 3. RACES | 7. WESTCARS |
| 4. AREC | 8. Other(indicate) _____ |

	CW	SSB	AM	FM	RTTY	SSTV	ATV	FAC	R/C	OTHER
160										
80										
75										
40										
20										
15										
10										
6										
2										

What type of programs would you like to have presented at club meetings? _____

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

FEB. 1973

***** HAMAD *****

** GOODIES ** GOODIES ** GOODIES **

"DOC" HUNTER - WA6PPQ is unloading a whole shack full of ham gear because he is moving into an apartment. Just a sample of some of the goodies is :

Heath SB-110 (6 MTR XCVR), Heath dummy load, Heath SB-610 (signal monitor), 18-AVQ vertical, 40-foot mini-mast, 2 MTR antenna, 6 MTR antenna, Heath SB-500 (2 MTR transverter), MICROMATCH SWR and power meter, etc., etc....

"Doc" of course, can give you full details on everything that is available and the asking price. You can get ahold of WA6PPQ at :

JOHN HUNTER, M. D.
1000 w. La Veta , Suite 506
Orange, ca. 92668
phone --- 835-5874

ORANGE COUNTY AMATEUR RADIO CLUB, INC.
P.O. BOX 95
ORANGE, CALIF. 92668
VOLUME XIV NO. 2 -- DATED FEBUARY 1973

FIRST CLASS !!!

DATED MATERIAL !!!